Appendix B

Groundwater Sample Information Sheets

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-10-1R
Sample I.D. #: MW-10-1R / MW-10-1R-DUP
Sample Time: 15:55
Sample Date: 3/16/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 18 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 15.56 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 19 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:15	15.58	3.0	200	-	-	-	-	-	-
15:25	15.58	5.0	200	7.25	0.775	39.6	11.60	1.32	124
15:30	15.58	6.0	200	7.22	0.775	38.0	11.44	1.33	127
15:35	15.58	7.0	200	7.19	0.775	22.4	11.35	1.31	129
15:40	15.58	8.0	200	7.17	0.778	18.4	11.32	1.11	131
15:45	15.58	9.0	200	7.17	0.778	17.9	11.24	1.09	132
15:50	15.58	10.0	200	7.18	0.778	17.2	11.21	1.07	132

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	240 mL	40 mL VIAL	6	HCL

Comments/Observations/Weather Conditions: SUNNY, WINDY, ~60°F collected DUPLICATE
PURGE START - 15:00

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-146
Sample I.D. #: MW-146
Sample Time: 08:35
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 15 ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ft)
2) Depth to water prior to purging (2) 9.85 (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 19 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (ms/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
08:00	9.85		200	-	-	-	-	-	-
08:05	9.85		200	6.70	1.03	2.3	11.71	0.00	218
08:10	9.85		200	6.89	1.03	1.5	11.66	0.00	211
08:15	9.85		200	7.06	1.03	0.0	11.63	0.00	204
08:20	9.85		200	7.07	1.03	0.0	11.64	0.00	201
08:25	9.85		200	7.07	1.03	0.0	11.67	0.00	197
08:30	9.85		200	7.08	1.04	0.0	11.69	0.00	193

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, CALM ~ 52°F
PURGE START - 07:45

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-148R
Sample I.D. #: MW-148R
Sample Time: 17:35
Sample Date: 3/5/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 10.5 ft. below measuring point
Pump intake set at: 19 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 24.16 (ft)
2) Depth to water prior to purging (2) 11.31' (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 20 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
17:05	11.34	5.0	200	6.60	1.28	58.5	11.08	0.13	159
17:10	11.34	6.0	200	6.81	1.27	57.0	11.04	0.00	148
17:15	11.34	7.0	200	6.89	1.27	53.9	11.02	0.00	143
17:20	11.34	8.0	200	6.95	1.26	45.1	11.06	0.00	139
17:25	11.34	9.0	200	6.98	1.26	44.4	11.06	0.00	138
17:30	11.34	10.0	200	6.99	1.26	43.9	11.08	0.00	138

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL	3	HCL

Comments/Observations/Weather Conditions: weather: MOSTLY SUNNY, BREEZE, ~38° F
PURGE START 16:40

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-150
Sample I.D. #: MW-150
Sample Time: 10:00
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson,~~ ENVIRON G. MERCER

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 4 ft. below measuring point
Pump intake set at: 16 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 13.16 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 12 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
9:20	13.21		100	–	–	–	–	–	–
9:30	13.21		100	7.26	0.925	13.8	12.49	0.00	172
9:35	13.21		100	7.23	0.921	9.8	12.54	0.00	171
9:40	13.21		100	7.23	0.919	5.7	12.56	0.00	170
9:45	13.21		100	7.22	0.920	6.1	12.53	0.00	168
9:50	13.21		100	7.22	0.923	5.9	12.58	0.00	166
9:55	13.21		100	7.21	0.926	6.0	12.68	0.00	165

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, BREEZE ~55° F
PURGE START 9:05

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-151
Sample I.D. #: MW-151
Sample Time: 17:15
Sample Date: 3/6/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 16 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 14.15 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
16:40	14.15	4.0	200	-	-	-	-	-	-
16:45	14.15	5.0	200	7.26	0.873	25.0	11.73	0.22	125
16:50	14.15	6.0	200	7.26	0.874	22.1	11.69	0.10	124
16:55	14.15	7.0	200	7.21	0.876	17.2	11.49	0.00	120
17:00	14.15	8.0	200	7.19	0.875	12.1	11.41	0.00	119
17:05	14.15	9.0	200	7.17	0.874	11.7	11.34	0.00	117
17:10	14.15	10.0	200	7.17	0.874	11.3	11.32	0.00	117

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY - WINDY - ~60° F
PURGE START - 16:20

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-152
Sample I.D. #: MW-152
Sample Time: 11:05
Sample Date: 3/6/12

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 17 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 13.74 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 17 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
9:55	13.74	5.0	-	-	-	-	-	-	-
10:35	13.74	9.0	200	7.39	0.593	27.4	13.25	0.73	130
10:40	13.74	10.0	200	7.39	0.592	26.0	13.29	0.71	130
10:45	13.74	11.0	200	7.39	0.592	20.2	13.40	0.61	130
10:50	13.74	12.0	200	7.39	0.592	13.9	13.44	0.63	130
10:55	13.74	13.0	200	7.39	0.591	13.2	13.53	0.61	129
11:00	13.74	14.0	200	7.39	0.591	13.5	13.56	0.60	129

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, WINDY ~45°F
PURGE START - 09:30

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-153
Sample I.D. #: MW-153
Sample Time: 08:55
Sample Date: 3/6/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G.MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 4.5 ft. below measuring point
Pump intake set at: 17 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 20.51 (ft)
2) Depth to water prior to purging (2) 12.26 (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
08:25	12.26	5.0	200	7.12	1.58	62.4	9.20	0.48	50
08:30	12.26	6.0	200	7.11	1.59	49.7	9.35	0.22	46
08:35	12.26	7.0	200	7.11	1.63	42.1	9.72	0.00	39
08:40	12.26	8.0	200	7.12	1.66	29.4	9.76	0.00	36
08:45	12.26	9.0	200	7.12	1.68	29.1	9.88	0.00	34
08:50	12.26	10.0	200	7.12	1.69	28.4	9.99	0.00	32

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, WIND, ~31°F
PURGE START 08:00

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-154
Sample I.D. #: MW-154
Sample Time: 18:50
Sample Date: 3/5/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 17 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 13.78 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used):
Recharge time: 10 (sec)
Discharge time: 5 (sec)
Pressure: 18 (psi)
Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
18:20	13.78	4.0	200	7.45	1.53	16.0	10.81	0.35	139
18:25	13.78	5.0	200	7.48	1.52	13.1	10.88	0.18	141
18:30	13.78	6.0	200	7.49	1.52	12.9	10.92	0.14	142
18:35	13.78	7.0	200	7.49	1.52	13.4	10.91	0.00	143
18:40	13.78	8.0	200	7.49	1.52	13.0	10.97	0.00	144
18:45	13.78	9.0	200	7.49	1.52	12.8	10.97	0.00	145

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL VIAL	3	HCL

Comments/Observations/Weather Conditions: MOSTLY SUNNY, ~ 36°F
PURGE START - 18:00

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-156
Sample I.D. #: MW-156
Sample Time:
Sample Date: 3/6/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 16.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 12.28 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
17:40	12.28	1.0	200	–	–	–	–	–	–
17:50	12.28	3.0	200	7.32	0.817	1.8	11.60	0.00	117
17:55	12.28	4.0	200	7.30	0.792	0.0	11.48	0.00	110
18:00	12.28	5.0	200	7.30	0.774	0.0	11.40	0.00	107
18:05	12.28	6.0	200	7.30	0.765	0.0	11.29	0.00	107
18:10	12.28	7.0	200	7.29	0.762	0.0	11.26	0.00	107

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY BREEZY ~ 60°F
PURGE START 17:35

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-161
Sample I.D. #: MW-161
Sample Time: 15:00
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson, ENVIRON~~ G. MERCER

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: 9.0 ft. below measuring point
Casing radius: _____ in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 5.76 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 13 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
14:25	5.76		200	–	–	–	–	–	–
14:40	5.76		200	7.12	0.740	0.0	8.71	5.89	148
14:45	5.76		200	7.11	0.739	0.0	8.90	5.89	150
14:50	5.76		200	7.11	0.738	0.0	8.93	5.87	154
14:55	5.76		200	7.11	0.741	0.0	8.97	5.86	156

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY VERY WINDY ~64°F
PURGE START 14:20

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-163
Sample I.D. #: MW-163
Sample Time: 14:30
Sample Date: 3/6/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 16 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 11.41 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 11 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
13:55	11.51	2.0	100	-	-	-	-	-	-
14:05	11.54	3.0	100	7.10	0.812	10.6	14.29	0.57	17
14:10	11.54	3.5	100	7.04	0.818	6.8	14.21	0.00	4
14:15	11.54	4.0	100	7.03	0.821	6.6	14.20	0.00	4
14:20	11.54	4.5	100	7.01	0.826	6.0	14.18	0.00	3
14:25	11.54	5.0	100	7.01	0.832	6.1	14.21	0.00	6

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, WINDY, ~55°F
PURGE START 13:35

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-164
Sample I.D. #: MW-164
Sample Time: 11:25
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G.MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 16 ft. below measuring point
Pump intake set at: 22.5 ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) 19.13 (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 21 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
10:45	19.13		200	-	-	-	-	-	-
10:55	19.13		200	7.23	1.00	15.6	13.91	0.00	161
11:00	19.13		200	7.20	1.00	11.4	13.92	0.00	159
11:05	19.13		200	7.20	1.00	2.5	13.92	0.00	158
11:10	19.13		200	7.19	1.00	0.00	13.85	0.00	156
11:15	19.13		200	7.19	1.00	0.00	13.76	0.00	155
11:20	19.13		200	7.18	1.00	0.00	13.72	0.00	153

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, VERY WINDY ~59°F
PURGE START 10:25

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-165S
Sample I.D. #: MW-165S
Sample Time: 10:10
Sample Date: 3/8/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G.MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 17.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 14.27 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 17 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
09:35	14.27		200	-	-	-	-	-	-
09:40	14.27		200	7.36	1.12	0.0	9.40	0.00	-132
09:45	14.27		200	7.38	1.12	0.0	9.16	0.00	-136
09:50	14.27		200	7.39	1.12	0.0	9.02	0.00	-139
09:55	14.27		200	7.40	1.12	0.0	8.97	0.00	-141
10:00	14.27		200	7.41	1.11	0.0	8.94	0.00	-143
10:05	14.27		200	7.42	1.11	0.0	8.92	0.00	-144

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: RAIN ~55°F
PURGE START - 9:20

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-165D
Sample I.D. #: MW-165D
Sample Time: 09:05
Sample Date: 3/8/12

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 42 ft. below measuring point
Pump intake set at: 44.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 14.18 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 30 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
08:20	14.18		200	-	-	-	-	-	-
08:35	14.18		200	6.93	1.39	30.4	11.58	0.00	-149
08:40	14.18		200	7.01	1.39	29.5	11.46	0.00	-151
08:45	14.18		200	7.06	1.39	10.5	11.43	0.00	-154
08:50	14.18		200	7.08	1.39	10.4	11.42	0.00	-155
08:55	14.18		200	7.10	1.39	10.5	11.40	0.00	-156
09:00	14.18		200	7.11	1.39	10.3	11.39	0.00	-156

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: RAIN ~55°F
PURGE START - 08:00

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-1665
Sample I.D. #: MW-1665
Sample Time: 16:15
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 18 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 15.00 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (ML)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:50	15.00		200	–	–	–	–	–	–
15:55	15.00		200	7.34	1.21	0.00	14.02	0.00	105
16:00	15.00		200	7.26	1.23	0.00	13.88	0.00	66
16:05	15.00		200	7.24	1.23	0.00	13.82	0.00	51
16:10	15.00		200	7.22	1.23	0.00	13.81	0.00	45

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY VERY WINDY ~ 65°F
PURGE START - 15:35

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-166D
Sample I.D. #: MW-166D / MW-166D-MS/MSD
Sample Time: 17:30
Sample Date: 3/7/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 46 ft. below measuring point
Pump intake set at: 48.5 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 14.78 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 30 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
16:45	14.78		200	-	-	-	-	-	-
GM ~~16~~: 17:05	14.78		200	7.39	1.37	14.0	14.13	0.00	-164
17:10	14.78		200	7.39	1.37	11.4	14.05	0.00	-166
17:15	14.78		200	7.39	1.37	3.9	14.01	0.00	-167
17:20	14.78		200	7.39	1.37	3.7	13.95	0.00	-168
17:25	14.78		200	7.39	1.37	3.7	13.93	0.00	-168

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	GM ~~120~~ mL	40 mL VIAL	GM ~~3~~ 9	HCL
	360 mL			

Comments/Observations/Weather Conditions: MOSTLY SUNNY, VERY WINDY ~ 63°F collected MS/MSD
PURGE START 16:35

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-167D
Sample I.D. #: MW-167D
Sample Time: 13:35
Sample Date: 8/7/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: 5 ft.
Top of well screen; 28 ft. below measuring point
Pump intake set at: 30 ft. below measuring point
Casing radius: 2 in.
Well material: ~~PVC~~ / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 18.03 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 25 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
13:00	18.03		200	-	-	-	-	-	-
13:10	18.03		200	7.34	1.26	21.4	15.12	0.00	-114
13:15	18.03		200	7.28	1.28	11.4	14.91	0.00	-123
13:20	18.03		200	7.25	1.29	10.9	14.88	0.00	-129
13:25	18.03		200	7.24	1.30	10.6	14.90	0.00	-130
13:30	18.03		200	7.	1.30	10.5	14.92	0.00	-132

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY VERY WINDY ~62° F
PURGE START - 12:45

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: 700 North Olin, Indianapolis, IN
Job #: 2125641E

Well #: MW-173
Sample I.D. #: MW-173
Sample Time: 12:25
Sample Date: 3/6/12

Personnel Present During Sampling:
~~Chris Ferguson~~, ENVIRON G. MERCER

Well/Purging Information:
Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 8 ft. below measuring point
Pump intake set at: 16 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 13.45 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
11:40	13.46	2.0	200	-	-	-	-	-	-
11:50	13.46	4.0	200	7.38	0.684	28.2	11.95	0.00	121
11:55	13.46	5.0	200	7.31	0.702	24.5	12.00	0.00	119
12:00	13.46	6.0	200	7.28	0.713	20.4	12.06	0.00	119
12:05	13.46	7.0	200	7.27	0.722	9.5	12.15	0.00	118
12:10	13.46	8.0	200	7.27	0.728	7.5	12.24	0.00	116
12:15	13.46	9.0	200	7.28	0.727	7.3	12.29	0.00	115
12:20	13.46	10.0	200	7.28	0.729	7.7	12.31	0.00	114

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, BREEZE ~49° F
PURGE START = 11:30

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.